Power supplies

File: power_supplies.kicad_sch

MCU IO Part 1

File: mcu_io_1.kicad_sch

MCU IO Part 2

File: mcu_io_2.kicad_sch

MCU IO USB & Power

File: mcu_usb_power.kicad_sch

Sensors

File: sensors.kicad_sch

Communication

File: communication.kicad_sch

Board-to-Board

File: board-to-board.kicad_sch

Ethernet PHY

File: ethernet_phy.kicad_sch

MR-MCXN-T1

Library used: https://github.com/CDFER/JLCPCB-Kicad-Library/tree/main

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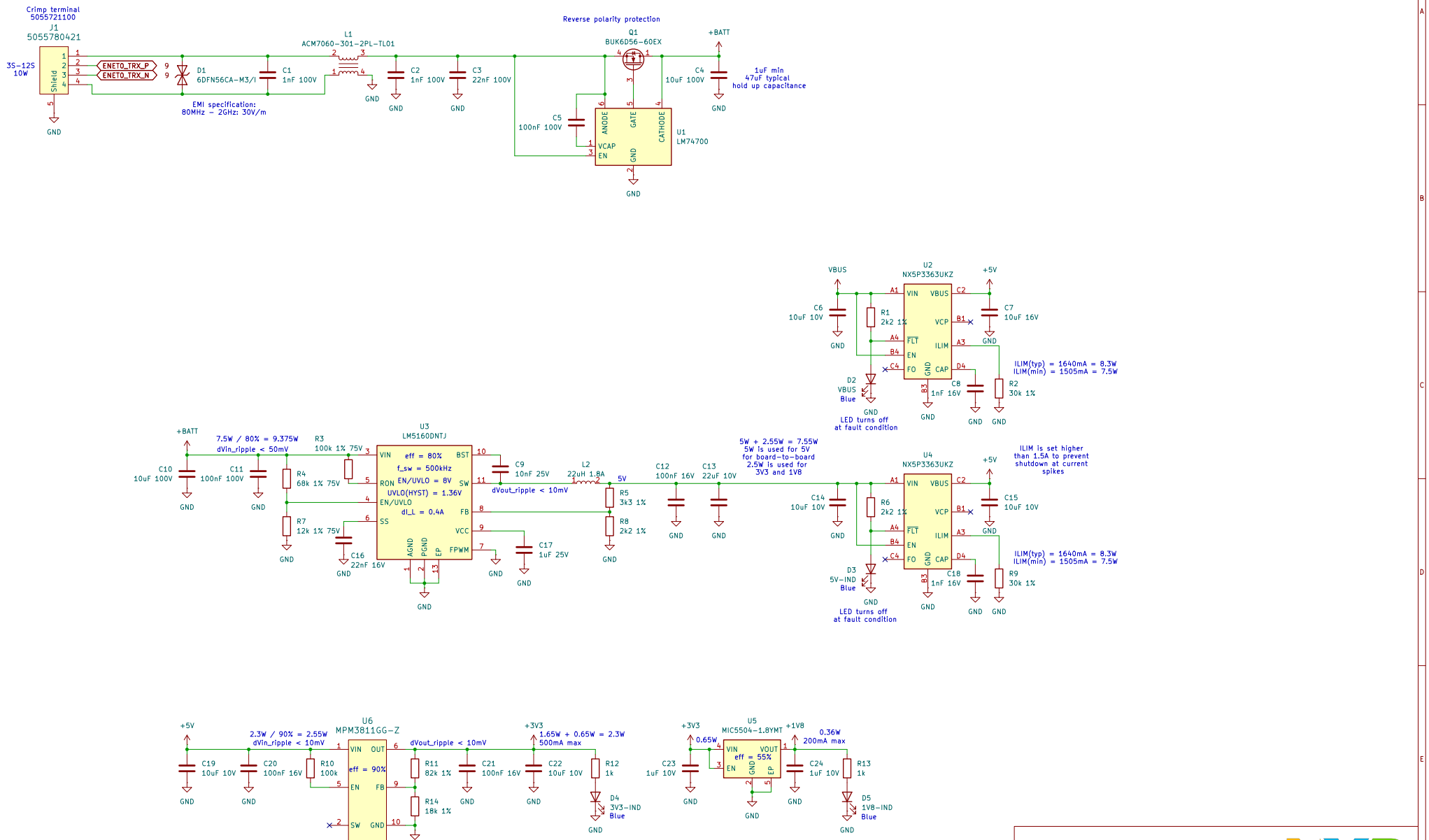
Sheet: /
File: spinali_mcxn_t1_hub.kicad_sch

Title: MR-MCXN-T1

Size: A4	Date: 2025-03-28	**Rev: X0**
KiCad E.D.A. 9.0.4		Id: 1/9



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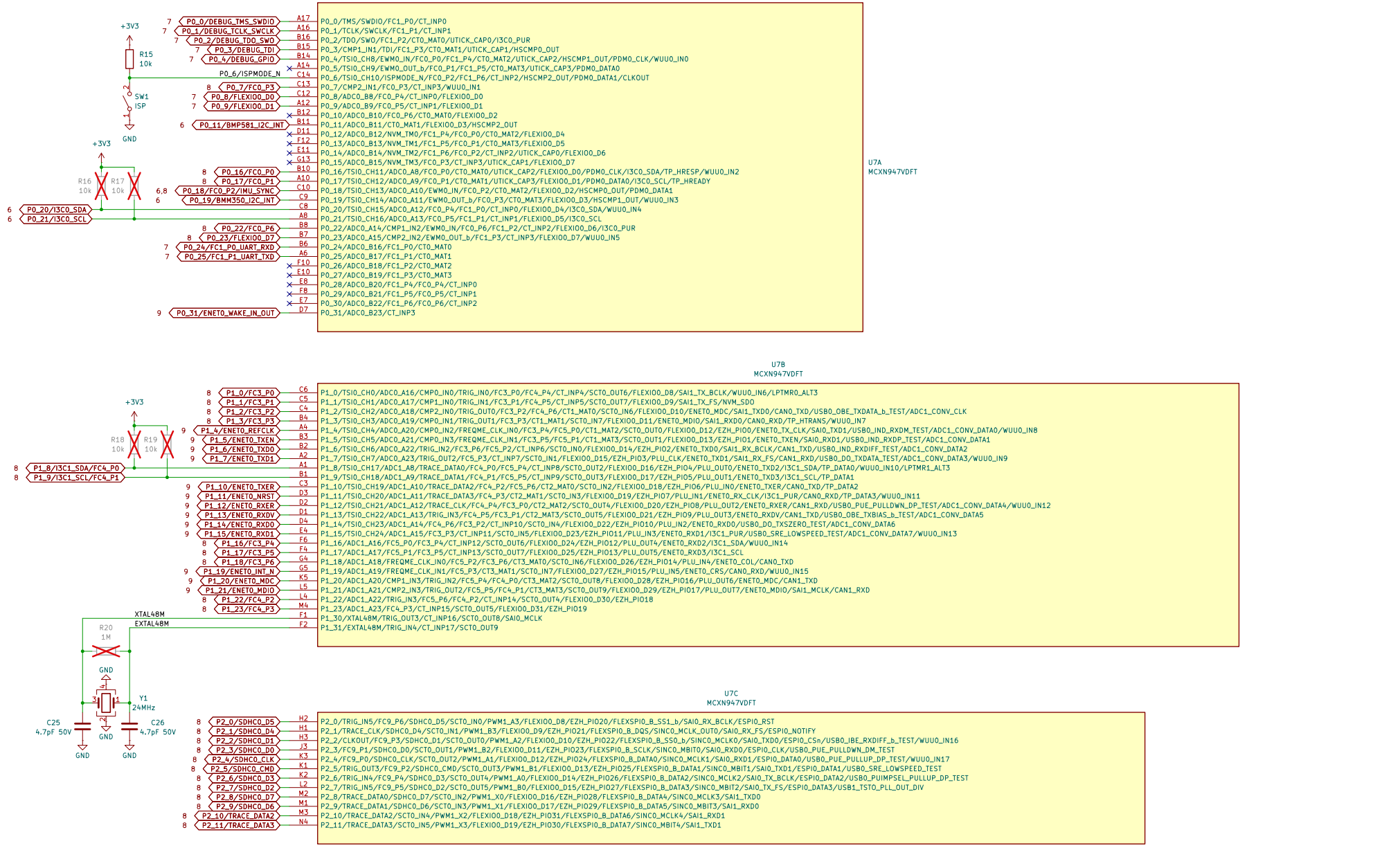
Sheet: /Power supplies/
File: power_supplies.kicad_sch

Title: MR-MCXN-T1

Size: A3	Date: 2025-03-28	**Rev: X0**
KiCad E.D.A. 9.0.4		Id: 2/9



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Sheet: /MCU IO Part 1/
File: mcu_io_1.kicad_sch

Title: MR-MCXN-T1

Size: A3	Date: 2025-03-28	**Rev: X0**
KiCad E.D.A. 9.0.4		Id: 3/9

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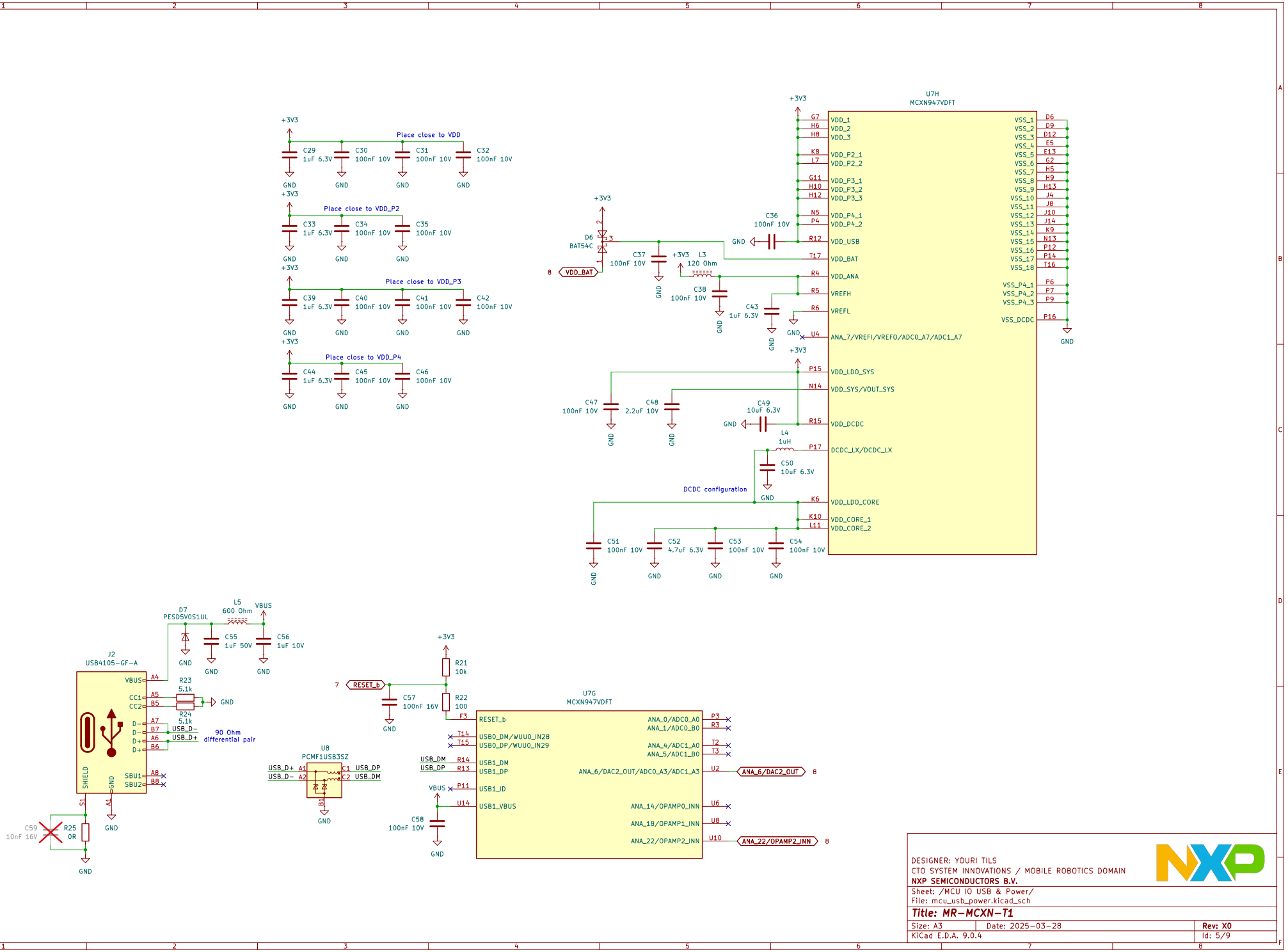
Sheet: /MCU IO Part 2/
File: mcu_io_2.kicad_sch

Title: MR-MCXN-T1

Size: A3	Date: 2025-03-28	**Rev: X0**
KiCad E.D.A. 9.0.4		Id: 4/9



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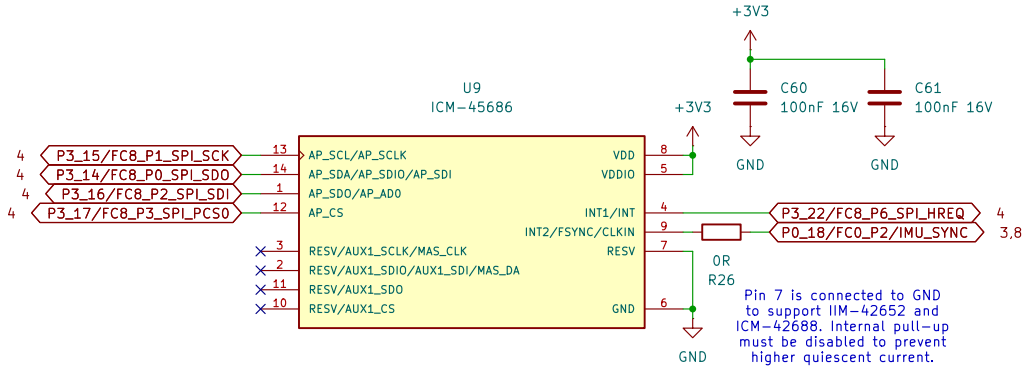
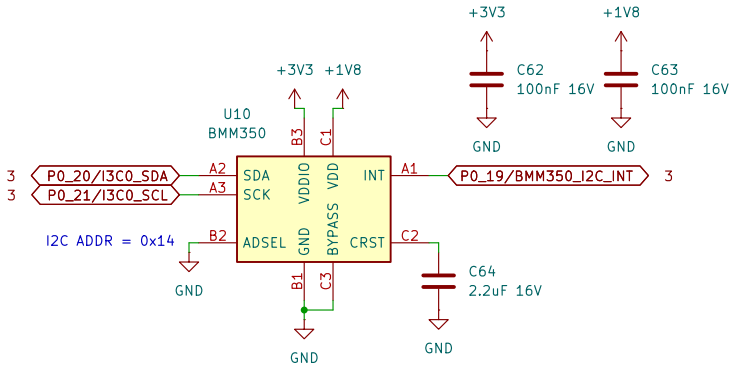
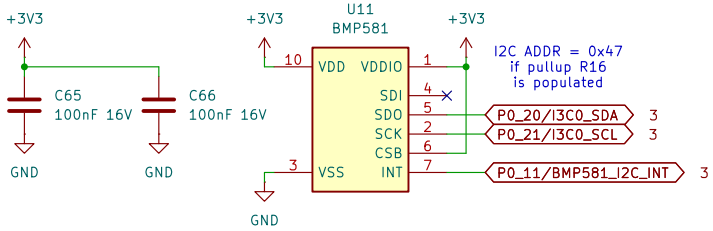
Sheet: /MCU IO USB & Power/
File: mcu_usb_power.kicad_sch

Title: MR-MCXN-T1

Size: A3	Date: 2025-03-28	**Rev: X0**
KiCad E.D.A. 9.0.4		Id: 5/9







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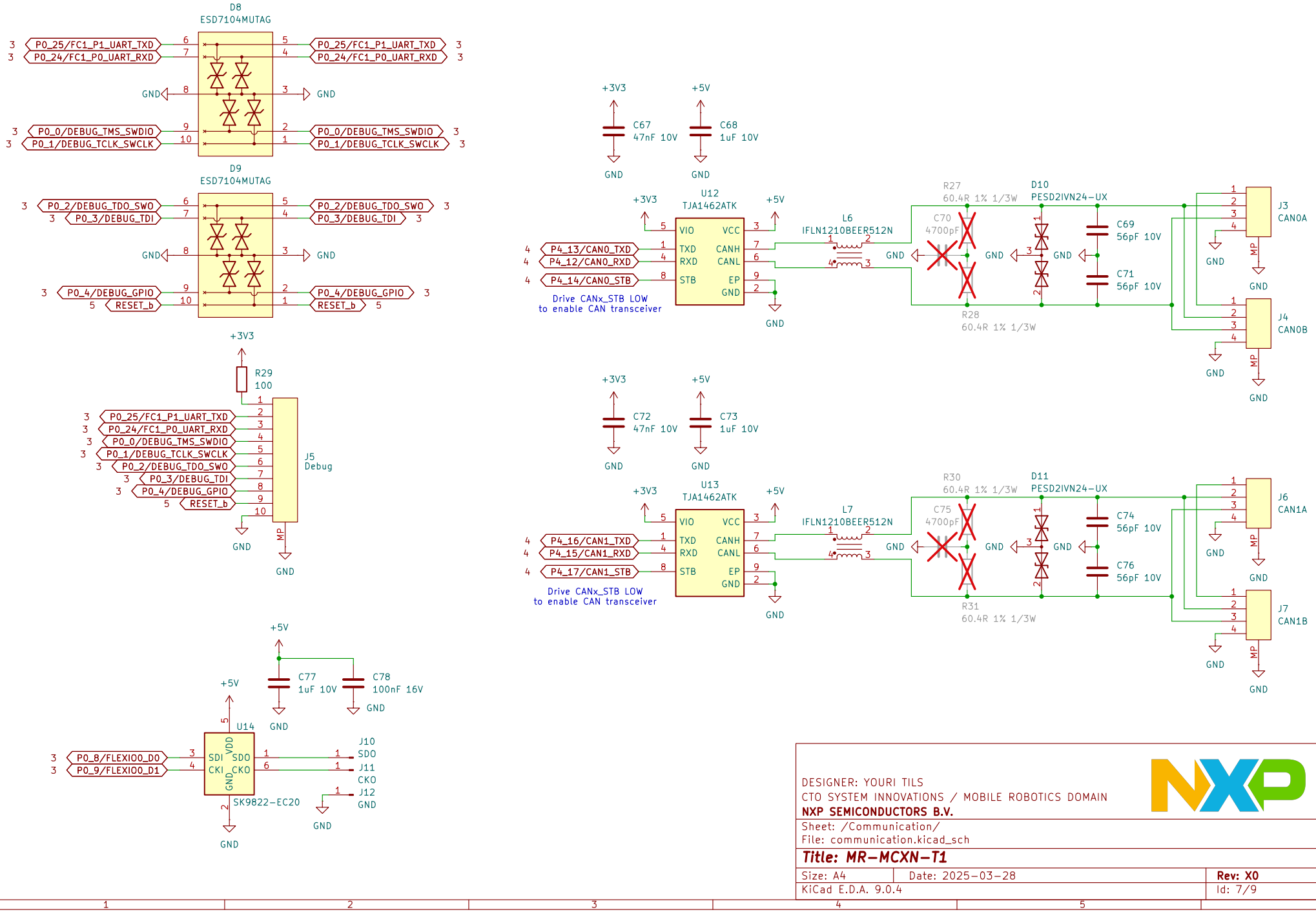
Sheet: /Sensors/
File: sensors.kicad_sch

Title: MR-MCXN-T1

Size: A4	Date: 2025-03-28	**Rev: X0**
KiCad E.D.A. 9.0.4		Id: 6/9



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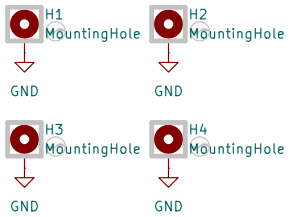
Sheet: /Communication/
File: communication.kicad_sch

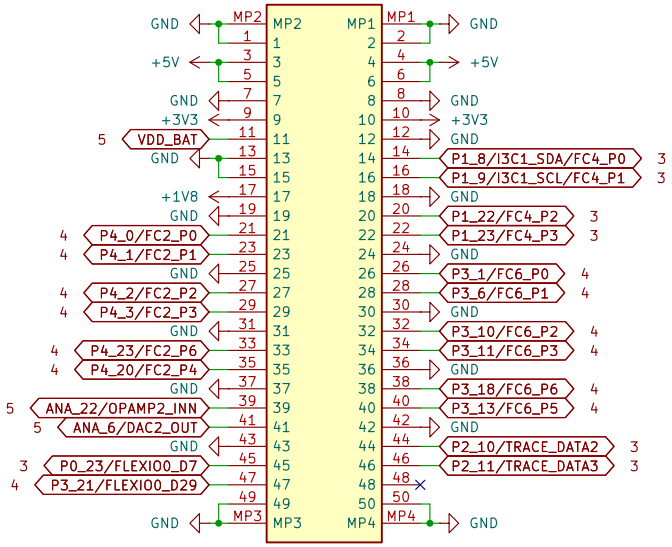
Title: MR-MCXN-T1

Size: A4	Date: 2025-03-28	**Rev: X0**
KiCad E.D.A. 9.0.4		Id: 7/9



300mA max per pin
5V = 1A max
3V3 = 500mA max
1V8 = 200A max

J8
DF40TC(3.0)-50DP-0.4V(51)



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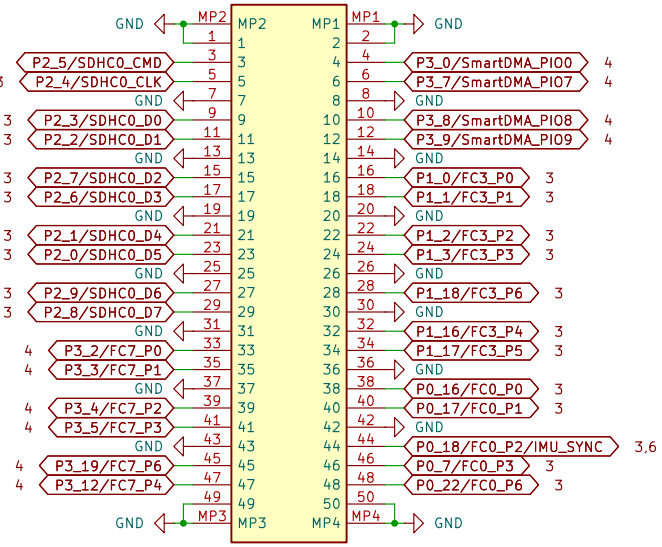

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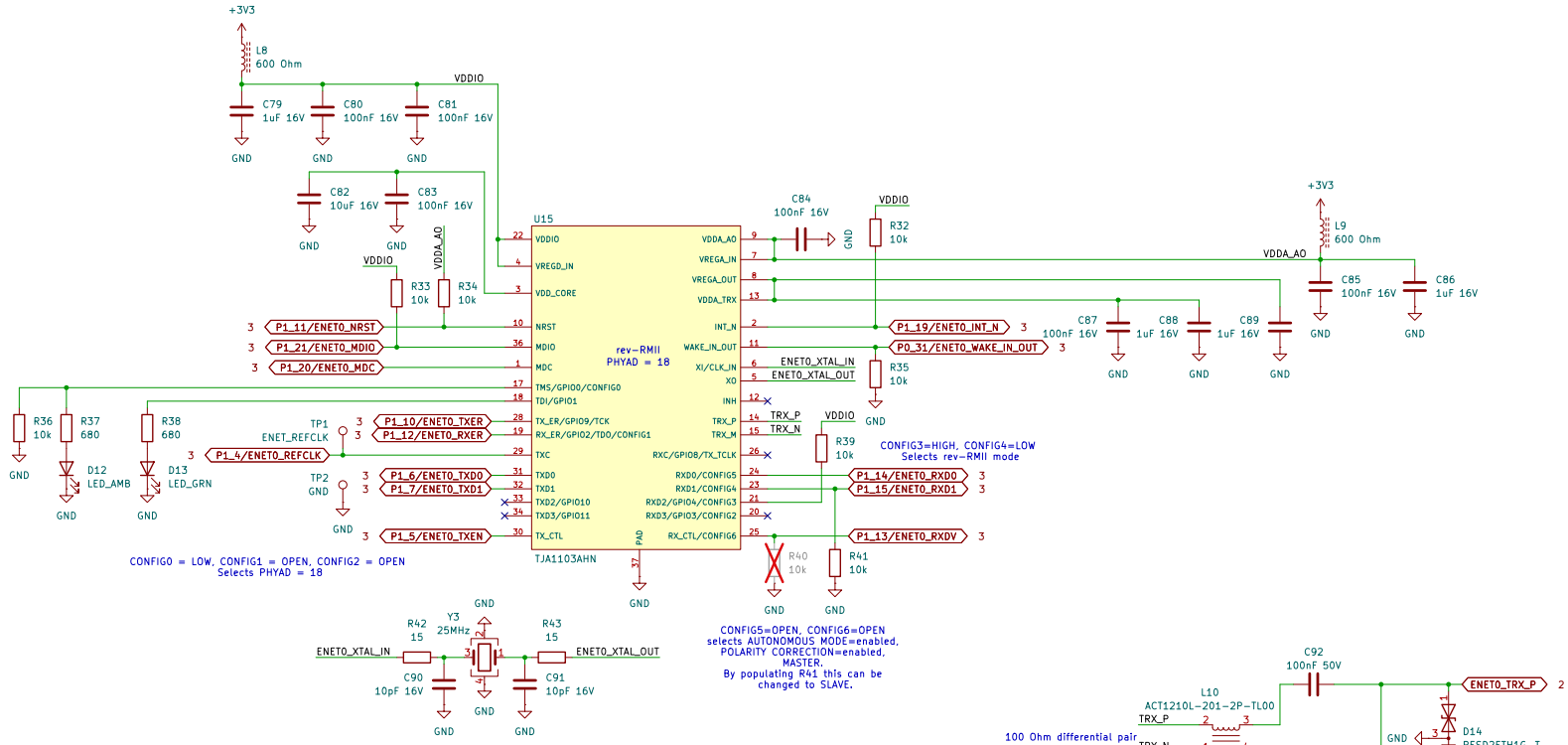
Sheet: /Board-to-Board/
File: board-to-board.kicad_sch

Title: MR-MCXN-T1

Size: A4	Date: 2025-03-28	**Rev: X0**
KiCad E.D.A. 9.0.4		Id: 8/9



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Sheet: /Ethernet PHY/
File: ethernet_phy.kicad_sch

Title: MR-MCXN-T1

Size: A3	Date: 2025-03-28	**Rev: X0**
KiCad E.D.A. 9.0.4		Id: 9/9